



MedMaster™ M4SEDIC

LED Surgical Suite Continuous Environmental Disinfection



M4SEDIC*-Switchable
White Disinfection Mode
Indigo Disinfection Mode
1'x 4', 2'x 2', 2'x 4'

MedMaster M4SEDIC-Visible Light Disinfection

- Patented continuous environmental disinfection kills bacteria missed during routine cleaning
- Indigo-Clean is NOT UV light... it uses safe 405nm visible light
- Automatically kills bacteria reducing risk of human error
- Kills bacteria in the air, and on hard and soft surfaces
- No special or additional training required
- Light is safe for patients and caregivers
- Products can be applied to balance cost effectiveness and visual preference for your application
- Different modes are used to increase disinfection

Key Clinical Benefits

- Up to 70%+ continuous bacterial reduction
- Continuous disinfection with no reduction in visual acuity
- Continuously disinfects while people are in the room
- Works with current cleaning protocols

Sealed Housing

- One-piece, seam welded housing construction
- Smooth exterior with gasketed doorframe for cleanability
- Universal housing for both flange and grid installation
- Antimicrobial finish
- Grounded wireway reduces radiated emissions

Internal Components

- Dual Stage Power Factor Correction Driver eliminates flicker
- Standard 0-10V Dimming
- Proprietary mode controller with low voltage input

LED Module Array with Indigo-Clean Technology

- Serviceable white LED array
- High quality ceramic composite mid-power LEDs and high-power 405nm Indigo LEDs
- 80 and 90 CRI

Lens Door/Frame

- Diffused high-efficiency lens for reduced glare and uniformity
- Smooth exterior doorframe is sealed and gasketed to support infection prevention

*Indigo-Clean products and technology covered by U.S. Patent No. US 9,039,966 and US 8,398,264. May also be covered by patents found at www.kenall.com/patents. Other patents pending.



White disinfection mode provides ambient lighting and continuous environmental disinfection while occupied



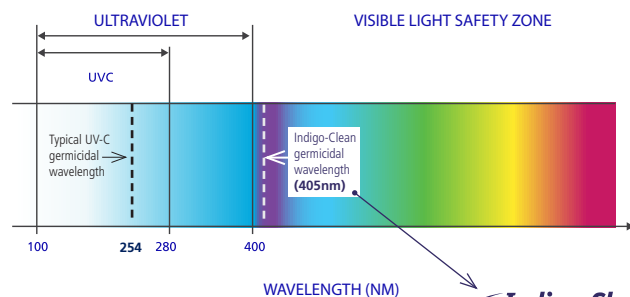
Indigo disinfection mode can be selected to provide maximum continuous disinfection when room is not in use



How It Works:

- The 405nm emitted from Indigo-Clean reflects off of walls and surfaces, penetrating harmful micro-organisms
- The 405nm light targets and excites naturally occurring molecules within the bacteria called porphyrins, to produce intra-cellular Reactive Oxygen Species (ROS).
- Similar to bleach, these ROS create an oxidative environment within the organism, inactivating it and preventing it from re-populating the space.

Visible light spectrum showing the active element in Indigo-Clean™



405 nanometers: Peak germicidal activity via photoexcitation of porphyrin molecules



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